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IC W19_thermoelast Highlight: dislocation drag coefficient from phonon wind

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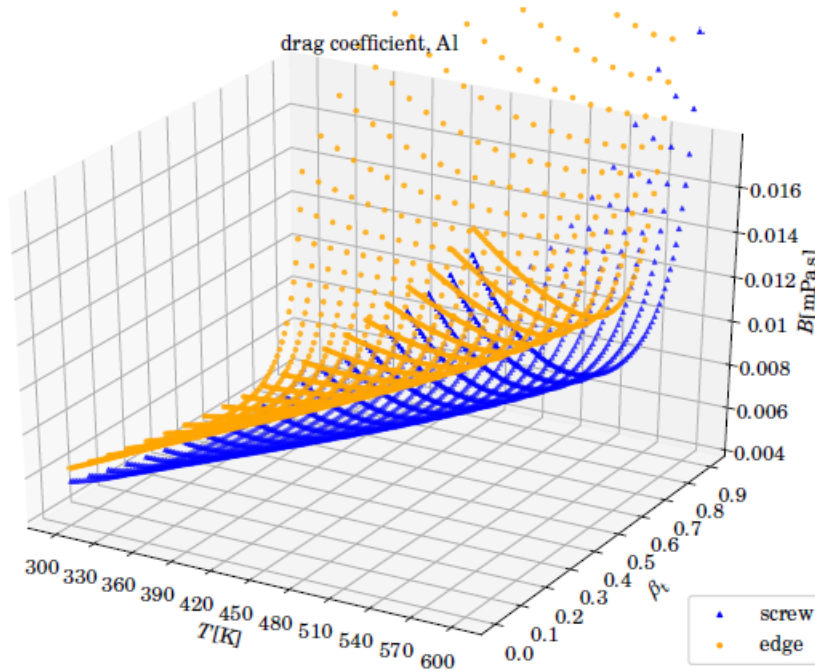


Fig. 1. The drag coefficient from phonon wind for edge and screw dislocations in aluminum as a function of velocity and temperature. Velocity βt is given in units of transverse sound speed at room T .

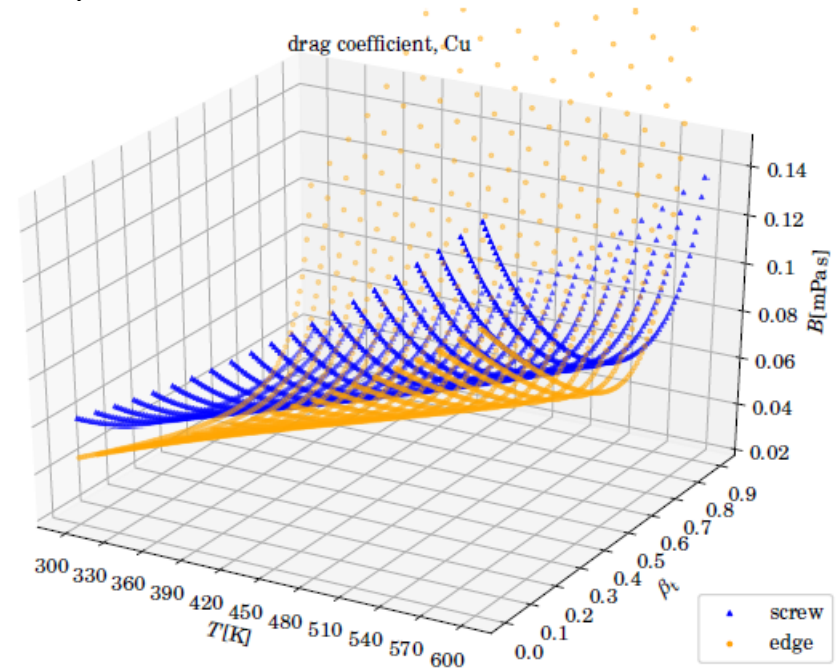


Fig. 2. The drag coefficient from phonon wind for edge and screw dislocations in copper as a function of velocity and temperature. Velocity βt is given in units of transverse sound speed at room T .